

FILE FOLDER

DESCRIPTION ON TAB:

5096/5

water Distribution

Systems

Outside/inside of actual folder did not contain hand written information

Outside/inside of actual folder did contain hand written information

***Scanned as next image**

5096/5
ENVIRONMENTAL PROTECTION
WATER DIST SYSTEM

5096/5
10280/4
BUS
11330
MAIN

11 May 87

Base Maintenance Officer, Marine Corps Base, Camp Lejeune

Public Works Officer (Attn: Design Division (04)), Marine Corps Base, Camp Lejeune

PRELIMINARY STUDY REPORT OF WATER SYSTEMS AT MCAS, NEW RIVER AND CAMP GEIGER

Ref: (a) LANTNAVFACENG ltr 6280 1141JJH of 6 Apr 87

1. As requested by the reference, the subject study has been reviewed. The preliminary report does not fully address all physical and operational problems with the Marine Corps Air Station (MCAS), New River and Camp Geiger water systems as experienced by the Utilities Branch. The following alternatives were not part of the preliminary report but need to be considered prior to finalizing the study and determining recommendations:

a. Construction of new distribution lines from AS-110 Water Plant to Camp Geiger to allow shutdown of Pump Station TC-501 which is in poor condition and functionally inadequate.

b. Replacement of 100,000 elevated storage tanks STC-1070 and STC-606 with new 300,000-350,000 gallon elevated storage tanks to eliminate reservoirs STC-500 and STC-509 which cause operation problems and to provide adequate control of the water distribution system. Inspection of the elevated tanks by an A/E consultant indicate the tanks require major repair or replacement.

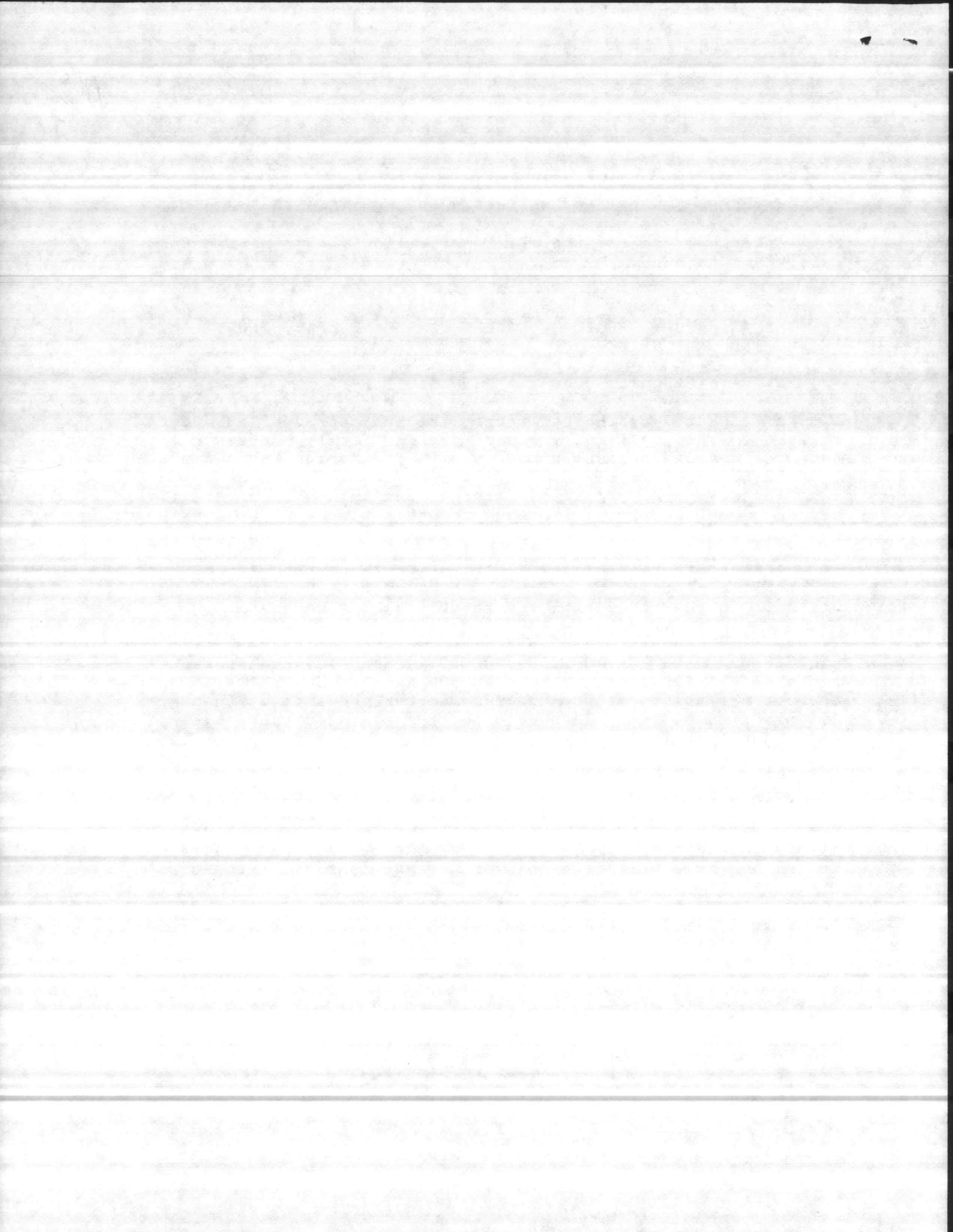
c. Construction of a 350,000 gallon elevated storage tank in the MCAS MOQ Area to provide adequate fire protection for the housing area, Hanger 804, and future construction and to eliminate the need for the existing pump station and reservoir in the MOQ area which are maintenance and operation problems.

d. Construction of additional distribution line from AS-110 Water Plant to the MOQ area to provide sufficient water to feed the elevated tank proposed in "c" above.

e. Construction of a distribution line from White Street to the elevated tank proposed in "c" above to provide a loop feed around the airfield perimeter.

2. The following comments are provided on the recommendations beginning on page 7 of the preliminary study report:

a. Item 1.a. - The Base Fire Department routinely test fire



Subj: PRELIMINARY STUDY REPORT OF WATER SYSTEMS AT MCAS, NEW RIVER AND CAMP GEIGER

hydrants and valves for proper operation and repairs are made per their recommendations. Valves need to be tested as recommended.

b. Item 1.b. - Limited sonic leakage tests have been performed and little accurate and useful data has been obtained.

c. Item 1.c. - No comment at this time.

d. Item 1.d. - Performance of "C" factor flow tests for pipes on Flounder and Curtis Roads may be beneficial if future development of area is planned.

e. Item 1.e. - Visual inspection of pipes may be beneficial if future development of area is planned.

f. Item 1.f.A. - Installation of a 10-inch PVC line from AS-110 Water Plant to Camp Geiger may require further study and may not be a desirable solution.

g. Item 1.f.B. - Modification of pump houses may require further study and may not be a desirable solution.

h. Items 1.f.C., 1.f.D., and 1.f.E. - Due to insufficient operation personnel, these recommendations are not desirable and increase monitoring, testing, inspection and maintenance requirements.

i. Items 1.f.F. - Installation of two-way altitude valves has merit and may be done at any time.

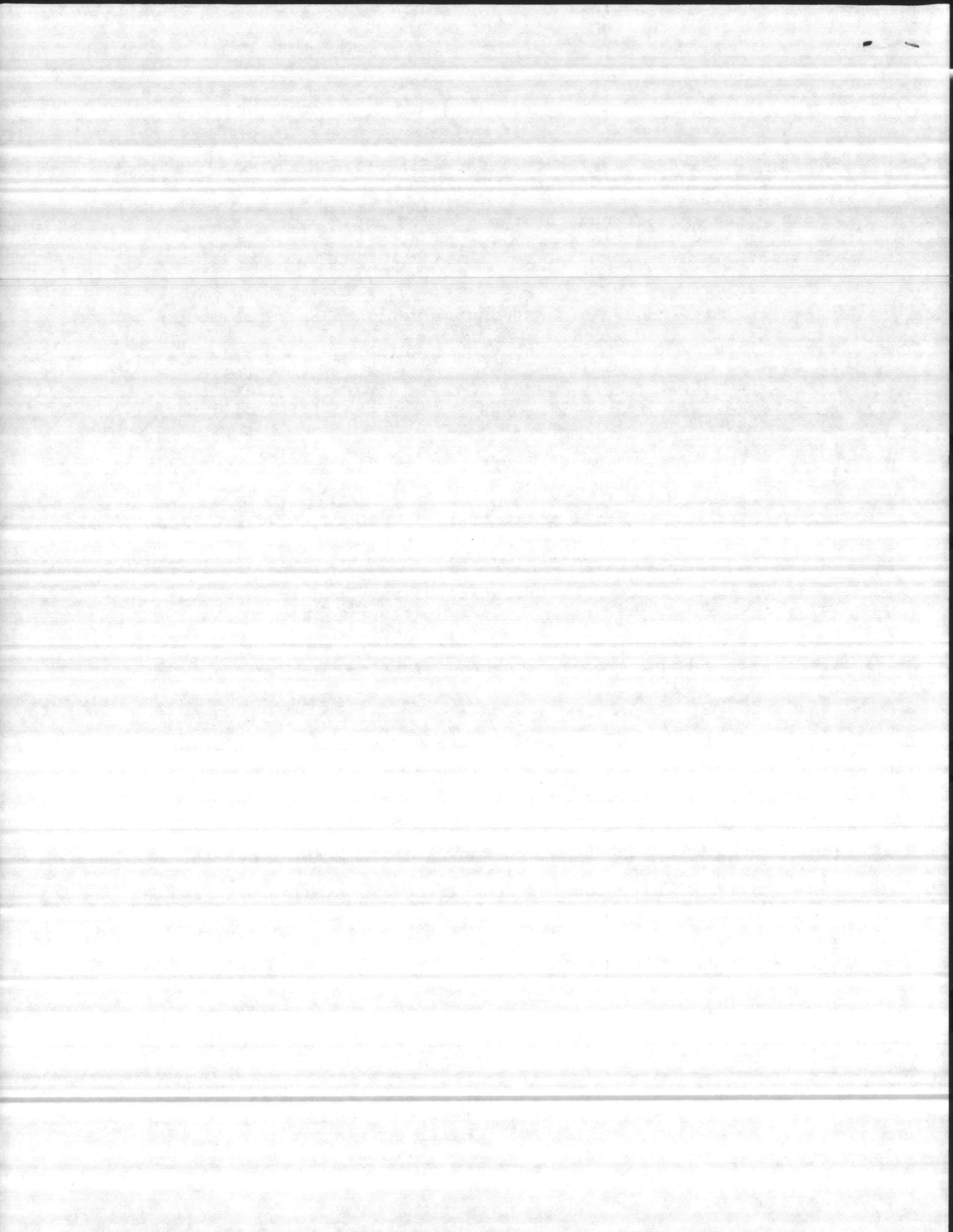
j. Item 2 - If items 1.a, 1.b, and 1.e are performed, this recommendation should be implemented.

k. Item 3 - The Base Outside Plumbing Shop presently identifies piping requiring replacement by tagging lines that have numerous repairs and replacement contracts are initiated.

l. Item 4 - This recommendation should be implemented if Item 1.d is performed. Lines are currently "pigged" as need is identified.

m. Items 5 and 6 - Same comment for Item 3 applies.

3. Attachment B of the study has been reviewed and appears to be acceptable provided it is deemed necessary to execute a contract to determine the existing conditions of the MCAS, New River and Camp Geiger water systems after the above comments are reviewed. The only exception to the Scope of Work outlined in Attachment B is paragraph 6a. Manpower may not be available



Subj: PRELIMINARY STUDY REPORT OF WATER SYSTEMS AT MCAS, NEW RIVER AND CAMP GEIGER

to allow Base personnel to work with the contractor at all times, and the Base should not bear the liability of lighting and protecting the contractor's measuring instruments.

4. Additional information regarding comments provided may be obtained from B. M. Frazelle, Utilities Systems General Foreman, extension 5988 and C. H. Baker, Director, Utilities Branch, extension 5024.

C. H. BAKER
By direction

Copy to:
C/S, Fac

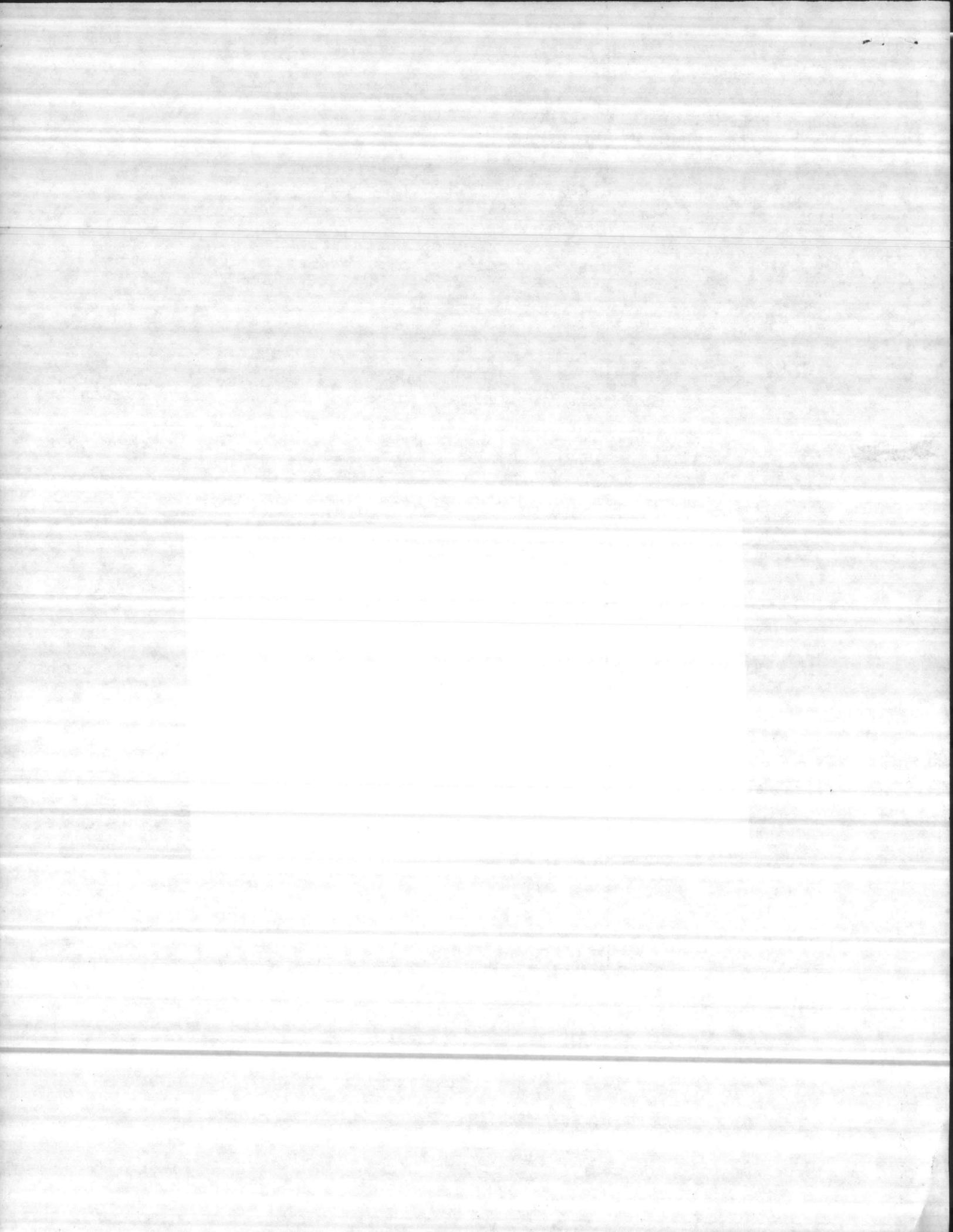
Marta-

See our phone

yes 19 May.



Carol K.



Subj: PRELIMINARY STUDY REPORT OF WATER SYSTEMS AT MCAS, NEW
RIVER AND CAMP GEIGER

to allow Base personnel to work with the contractor at all times,
and the Base should not bear the liability of lighting and pro-
tecting the contractor's measuring instruments.

4. Additional information regarding comments provided may be
obtained from B. M. Frazelle, Utilities Systems General Foreman,
extension 5988 and C. H. Baker, Director, Utilities Branch,
extension 5024.

C. H. BAKER
By direction

Copy to:
C/S, Fac

